

Refine Search

Search Results -

Terms	Documents
705/40	1773

Database:

US Pre-Grant Publication Full-Text Database
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Search:

Search History

DATE: Saturday, January 06, 2007 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>		
<u>L10</u>	705/40	1773	<u>L10</u>
<u>L9</u>	L8 and ("atm" or "automated teller machine")	12	<u>L9</u>
<u>L8</u>	l1 and (debit near2 card or pre-paid near2 card) near2 (settlement or reconciliation or reconcile\$)	49	<u>L8</u>
<u>L7</u>	L6 and ("atm" or "automated teller machine")	12	<u>L7</u>
<u>L6</u>	l1 and debit near2 card near2 (settlement or reconciliation or reconcile\$)	48	<u>L6</u>
<u>L5</u>	705/77	222	<u>L5</u>
<u>L4</u>	705/43	693	<u>L4</u>
<u>L3</u>	705/41	892	<u>L3</u>
<u>L2</u>	705/39	2114	<u>L2</u>
<u>L1</u>	705.clas.	47388	<u>L1</u>

END OF SEARCH HISTORY

[First Hit](#) [Fwd Refs](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)**End of Result Set**

Generate Collection

Print

L7: Entry 12 of 12

File: USPT

Jan 24, 2006

US-PAT-NO: 6990466

DOCUMENT-IDENTIFIER: US 6990466 B1

TITLE: Method and system for integrating core banking business processes

DATE-ISSUED: January 24, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
International Business Machines Corporation	Armonk	NY		US		02

APPL-NO: 09/634435 [\[PALM\]](#)

DATE FILED: August 8, 2000

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
JP	11-111784	August 11, 1999

INT-CL-ISSUED:

TYPE	IPC	DATE	IPC-OLD
IPCP	G06F17/60	20060101	G06F017/60

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPP	G06 Q 40/00	20060101

US-CL-ISSUED: 705/35; 705/40, 705/42, 707/10, 709/201, 719/313

US-CL-CURRENT: [705/35](#); [705/40](#), [705/42](#), [707/10](#), [709/201](#), [719/313](#)FIELD-OF-CLASSIFICATION-SEARCH: 705/35, 705/30, 705/42, 705/40, 705/65, 705/17, 707/202, 707/103R, 707/102, 709/217, 709/101, 709/201, 709/203, 717/103, 717/130, 717/102, 379/93.17, 235/379, 345/789, 714/6, 714/37, 714/20, 711/173, 719/313
See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4727243</u>	February 1988	Savar	705/17
<input type="checkbox"/> <u>5095421</u>	March 1992	Freund	709/101
<input type="checkbox"/> <u>5287501</u>	February 1994	Lomet	707/202
<input type="checkbox"/> <u>5412801</u>	May 1995	de Remer et al.	714/20
<input type="checkbox"/> <u>5437026</u>	July 1995	Borman et al.	707/202
<input type="checkbox"/> <u>5452430</u>	September 1995	Dievendorff et al.	714/37
<input type="checkbox"/> <u>5485370</u>	January 1996	Moss et al.	379/93.17
<input type="checkbox"/> <u>5684988</u>	November 1997	Pitchaikani et al.	
<input type="checkbox"/> <u>5734823</u>	March 1998	Saigh et al.	709/217
<input type="checkbox"/> <u>5890140</u>	March 1999	Clark et al.	705/35
<input type="checkbox"/> <u>5920848</u>	July 1999	Schutzer et al.	705/42
<input type="checkbox"/> <u>5930512</u>	July 1999	Boden et al.	717/102
<input type="checkbox"/> <u>5930831</u>	July 1999	Marsh et al.	711/173
<input type="checkbox"/> <u>5933593</u>	August 1999	Arun et al.	714/6
<input type="checkbox"/> <u>5933816</u>	August 1999	Zeanah et al.	705/35
<input type="checkbox"/> <u>6006229</u>	December 1999	Schmidt et al.	707/10
<input type="checkbox"/> <u>6006277</u>	December 1999	Talati et al.	719/313
<input type="checkbox"/> <u>6018627</u>	January 2000	Iyengar et al.	717/103
<input type="checkbox"/> <u>6041312</u>	March 2000	Bickerton et al.	705/30
<input type="checkbox"/> <u>6070152</u>	May 2000	Carey et al.	705/35
<input type="checkbox"/> <u>6076092</u>	June 2000	Goldberg et al.	707/103R
<input type="checkbox"/> <u>6119104</u>	September 2000	Brumbelow et al.	186/37
<input type="checkbox"/> <u>6122625</u>	September 2000	Rosen	235/379
<input type="checkbox"/> <u>6185545</u>	February 2001	Resnick et al.	705/40
<input type="checkbox"/> <u>6189785</u>	February 2001	Lowery	235/379
<input type="checkbox"/> <u>6289320</u>	September 2001	Drummond et al.	705/35
<input type="checkbox"/> <u>6360249</u>	March 2002	Courts et al.	345/789
<input type="checkbox"/> <u>6519766</u>	February 2003	Barritz et al.	717/130
<input type="checkbox"/> <u>6625610</u>	September 2003	Siegel et al.	707/102
<input type="checkbox"/> <u>2002/0038289</u>	March 2002	Lawlor et al.	705/42

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FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
06-225111	August 1994	JP	

08235239	September 1996	JP
WO 94/18620	August 1994	WO
WO 00/10294	February 2000	WO

OTHER PUBLICATIONS

Kistner, Toni, "Will Banks embrace Microsoft's Integration Tool?", Bank Technology News, pNA, Feb. 1999. cited by examiner

Korth et al. (Text Book, "Database system concepts" McGraw-Hill, Inc., New York, Copyright .COPYRGT. 1991, 1986). cited by examiner

Printed pamphlet for CICS OS/2 Developer kit CD-ROM, 1.sup.st Edition (May 1994, a total of 4 pages. cited by examiner

IBM publication; "Information Warehouse in the Finance Industry"; Document No. GG24-4340-00; Aug. 1994; International Technical Support Organization, San Jose, extracted from Google database on Jun. 20, 2004. cited by examiner

IBM publication; "Workflow and Image Library: FlowMark and VisualInfo with Windows"; Aug. 1996; IBM International Technical Support Organization Rochester Center, extracted from Google database on Jun. 20, 2004. cited by examiner

Application Design Guide; IBM Publication No. GC33-0999-00, Mar. 26, 1993, 43 pgs. cited by other

CICS Family: API Structure, IBM Publication No. SC33-1007-01, Feb. 2, 1996, 154 pgs. cited by other

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CICS for OS/2 Version 2.0.1 Installation, IBM Publication No. GC33-0879-01, Jun. 19, 1996, 78 pgs. cited by other

CICS for OS/2 Version 2.0.1 Intercommunication, IBM Publication No. SC33-0826-01, Nov. 28, 1994, 197 pgs. cited by other

CICS for OS/2 Version 2.0.1 Operation, IBM Publication No. SC33-0881-01, Jun. 19, 1996, 128 pgs. cited by other

CICS for OS/2 Version 2.0.1 Problem Determination, IBM Publication No. SC33-1005-01, Jun. 19, 1996, 212 pgs. cited by other

Messages and Codes, IBM Publication No. SC33-1426-00, Nov. 30, 1994, 718 pgs. cited by other

ART-UNIT: 3625

PRIMARY-EXAMINER: Garg; Yogesh C.

ATTY-AGENT-FIRM: Lashmit; Douglas A. Hoffman, Warnick & D'Alessandro LLC

ABSTRACT:

A system and method are provided for integrating core banking business processes which includes a business platform in which two or more selected banking processes common to the core banking business are integrated. The business platform includes at least one database for sharing data between the core banking business processes and to provide the system with customer and business information. The business platform invokes a basic business rule library formed of two or more basic business operations to be implemented and a common function library which includes at least one common function program which is called by the basic business operations. One or more application business subsystems each formed of a combination of the basic business operations are called by the business platform to perform selected operations as required by a particular banking transaction.

20 Claims, 23 Drawing figures

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

End of Result Set



Generate Collection

Print

L7: Entry 12 of 12

File: USPT

Jan 24, 2006

DOCUMENT-IDENTIFIER: US 6990466 B1

TITLE: Method and system for integrating core banking business processes

Brief Summary Text (5):

The present invention addresses the foregoing problems by providing an integrated core banking system and method which includes major core banking products and services, such as saving, time deposit, loan, agency, settlement, credit card/debit card, accounting, electronic remittance, clearance, memo book, customer information, and the like. A payment system, foreign exchange system and investment system may also be included. The modules provided by the system and method of the present invention, which are independent of specific business products or services, also provide a flexible and powerful platform for developing new application systems to support next generation banking products and services.

Description Paragraph (22):

FIG. 20 is a diagram illustrating an ATM checking the accounts;

Description Paragraph (23):

FIG. 21 is a diagram of the ATM processing mode and time slot;

Description Paragraph (44):

Referring now to FIG. 13, there is shown the interconnection of system 10 to external functions and systems/servers by means of an external interface module 82 connected to CCBMain 36. External interface module 82 is configured to control the interface of 1/LINK, CAST, SPOT, OTHER subsystems. In operation, an application transaction program 26 requests an external application server, for example ATM 84, through CCBMain 36 to drive external interface module 82. In the other direction, module 82 initiates a CCBMain 36 operation via a CICS link. The format of the input/output parameters follow the standard input/output parameters for the online transaction.

Description Paragraph (64):

For the convenience of its customers, many banks must provide certain of its functions on a twenty-four hour basis, for example, automated teller machines (ATMs), point of sale terminals (POS), phone banking, enterprise banking, home banking and the like. This may be accomplished in the system of the present invention by "time slotting" or having similar batch processing executed in the same time period, which simplifies batch processing design and operation. In this manner, ATMs and other functions may still run while batch processing takes place. The following table illustrates an example of the operating sequence.

Description Paragraph (67):

Referring to FIG. 19, the business date cutoff for twenty-four hour transactions takes place before the first branch closing. A transaction occurring after the cutoff TN is treated as occurring on the next business day. A branch cannot close an account before the business date cutoff. Referring to FIGS. 20 and 21, there is shown the situation of an ATM checking the accounts, and the ATM job mode and time slot.

Current US Class (1):

705

CLAIMS:

13. The system of claim 1, wherein each business transaction is selected from a group consisting of: a current deposit, a fixed deposit, a withdrawal, a loan, a settlement, a credit card transaction, a debit card transaction, an accounting, an electronic remittance, an inquiry, and a clearance.

19. The system of claim 14, wherein each business transaction is selected from a group consisting of: a current deposit, a fixed deposit, a withdrawal, a loan, a settlement, a credit card transaction, a debit card transaction, an accounting, an electronic remittance, an inquiry, and a clearance.

[Previous Doc](#)

[Next Doc](#)

[Go to Doc#](#)